

RHICf run plan

20-June-2017

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			fill	position	luminosity ($\int L$) ($p^2 \int L$)	polarization
21-Jun (Wed)	8:00-16:00	Access for electronics final setup				
	16:00-24:00	Beam setup ($\beta^*=8m$, radial pol, longitudinal pol)				
22-Jun (Thu)	0:00-16:00	Beam setup ($\beta^*=8m$, radial pol, longitudinal pol)				
	16:00-18:00	Access (detector installation)				
	18:00-20:00	Access (arignment and survey)				
	20:00-22:00	New fill for commissioning	1	TL center	0.3×10^{31}	radial
	22:00-24:00	Timing tuning				
	0:00-4:00	Common operation test	2	TL center	2×10^{31} (360 /nb) (130 /nb)	radial
		Event rate study for optimum luminosity definition				
	4:00-6:00	New fill for commissioning				
	6:00-10:00	Low threshold operation				
	10:00-12:00	Contingency for whole commissioning				
23-Jun (Fri)	12:00-14:00	New fill for physics	3	TL center	2×10^{31} (360 /nb) (130 /nb)	radial
	14:00-14:30	Vernier scan using VPD				
	14:30-18:30	Physics				
	18:30-19:00	Vernier scan using VPD				
	19:00-20:00	Contingency				
	20:00-21:00	Access to change the detctor position	4	TS center	2×10^{31} (360 /nb) (130 /nb)	radial
	21:00-23:00	New fill for physics				
	23:00-23:30	Vernier scan using VPD				
	23:30-3:30	Physics				
	3:30-4:00	Vernier scan using VPD	5	TS center	0.3×10^{31} (100 /nb) (--)	radial
	4:00-5:00	Contingency				
	5:00-7:00	New fill for physics				
	7:00-7:30	Vernier scan using VPD				
	7:30-15:30	Physics (8 hours with low luminosity)				
	15:30-16:00	Vernier scan using VPD				
	16:00-17:00	Contingency				

commissioning

Ideal luminosity is defined using commissioning data

Unit of a physics fill

	17:00-18:00	Access to change the detctor position				
	18:00-20:00	New fill for physics				
	20:00-20:30	Vernier scan using VPD				
	20:30-0:30	Physics				
	0:30-1:00	Vernier scan using VPD	6	Top	2x10^31 (360 /nb) (130 /nb)	radial
	1:00-2:00	Contingency				
25-Jun (Sun)	2:00-4:00	New fill for physics	7	Top	2x10^31 (360 /nb) (130 /nb)	radial
	4:00-4:30	Vernier scan using VPD				
	4:30-8:30	Physics				
	8:30-9:00	Vernier scan using VPD				
	9:00-10:00	Contingency	8	TL center	2x10^31 (360 /nb) (130 /nb)	vertical
	10:00-11:00	Access to change the detctor position				
	11:00-13:00	New fill for physics				
	13:00-13:30	Vernier scan using VPD				
	13:30-17:30	Physics	18:00-19:00	Contingency	TBD	radial
	17:30-18:00	Vernier scan using VPD				
	18:00-19:00	Contingency				
	19:00-24:00	Contingency				
26-Jun (Mon)	0:00-8:00	Contingency				
	8:00-16:00	Physics during RP run			TBD	radial

- Senior staff stay at STAR CR 24 hours/day
- Is any feedback necessary from RHICf during beam setup?
 - We can make quick analysis of asymmetry using ZDC scaler data
- We can compromise beta* if setup time exceeds 24 hours
 - We need to reduce luminosity by beam intensity